

CLAIMS

1. (Currently Amended) An aboveground storage tank for flammable and combustible liquids having secondary containment capability, comprising:

an inner impermeable primary tank for storing the liquid;

an outer impermeable secondary tank encasing said inner primary tank defining an interstitial area therebetween;

an insulating foam material disposed of in the interstitial area; and

a fire resistant polymer material sandwiched between the foam material and the outer secondary tank so that a fire resistant composite comprised of insulating foam and fire resistant polymer material encases the inner primary tank.

2. (Previously Amended) The storage tank of claim 1 in which the inner primary tank is hot rolled carbon steel.

3. (Previously Amended) The storage tank of claim 1 in which the outer secondary tank is hot rolled carbon steel.

4. (Previously Amended) The storage tank of claim 1 wherein the fire resistant polymer material is a polyethylene terephthalate polymer film.

5. (Previously Amended) The storage tank of claim 1 wherein the fire resistant polymer material is an aramid polymer fiber.

6. (Original) The storage tank of claim 1 wherein the insulating foam material is polystyrene.

7. (Original) The storage tank of claim 1 wherein the insulating foam material is a urethane polymer.

8. (Original) The storage tank of claim 1 wherein the insulating material is polymethyl.

9. (Original) The storage tank of claim 1 wherein the insulating material is a synthetic polymer.

10. (Original) The storage tank of claim 1 wherein the insulating material is rubber.

11. (Original) The storage tank of claim 1 further comprising an interstitial leak sensor for monitoring leakage of the inner primary tank.

12. (Original) The storage tank of claim 1 further comprising a first venting means for venting the inner primary tank.

13. (Original) The storage tank of claim 1 further comprising a second venting means for venting the interstitial space containing the fire resistant composite.

14. (Original) The storage tank of claim 1 in which the tank is used as a fuel storage tank to provide fuel for a generator.

15. (Original) The storage tank of claim 1 further comprising a support means to form a base for a generator apparatus so that the generator apparatus is supported by the top surface of the fuel storage tank thereby reducing the space required for the generator apparatus.

16. (Previously Amended) An aboveground storage tank for flammable and combustible liquids having secondary containment capability, comprising:

an inner impermeable primary tank for storing the liquid wherein the inner primary tank is hot rolled carbon steel;

an outer impermeable secondary tank encasing the inner primary tank defining an interstitial area therebetween wherein the secondary tank is hot rolled carbon steel;

an insulating foam material disposed of in the interstitial area wherein the foam material is a synthetic polymer;

a fire resistant polymer material sandwiched between the foam material and the outer secondary tank so that a fire resistant composite comprised of insulating foam and fire resistant polymer encases the primary tank wherein the fire resistant polymer is an aramid polymer fiber;

an interstitial leak sensor for monitoring leakage of the inner primary tank;

a first venting means for venting the inner primary tank;

a second venting means for venting the interstitial area containing the fire resistant composite; and

a support means to form a base for a generator apparatus so that the generator is supported by the top surface of the fuel storage tank thereby reducing the space required for the generator apparatus.